

Figure 1

Telecommunications  
Signal Containing  
Information About  
Incoming Speech from  
Called/Calling Party

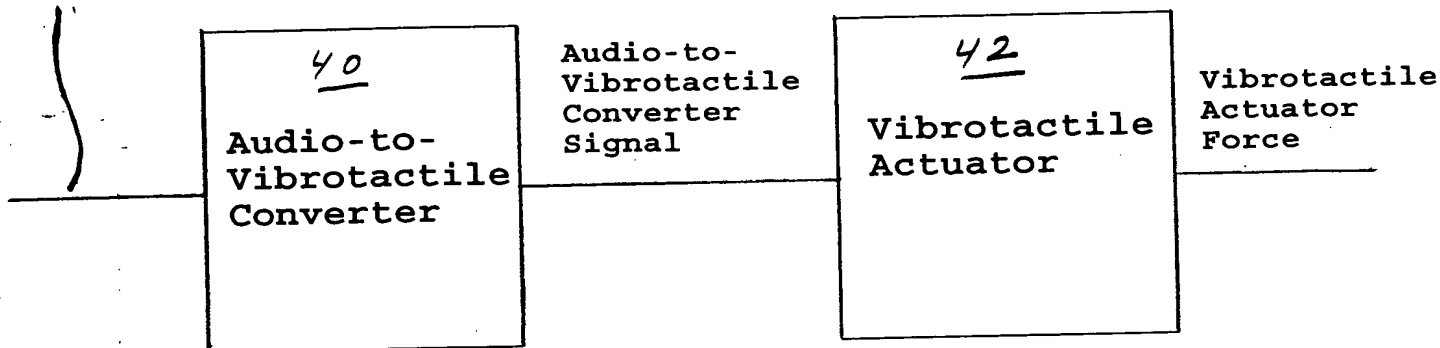


Figure 2: Audio-Modulated Vibrotactile Module

30  
" 02440263"

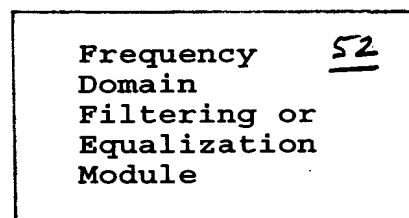


Figure 4

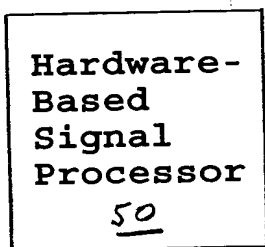


Figure 3

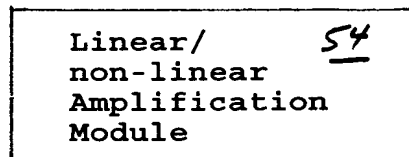


Figure 5

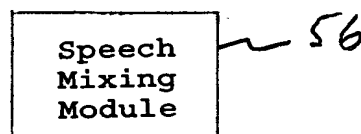


Figure 6

Software-  
Based  
Signal  
Processor

60

Figure 7

Speech  
Encoding  
Algorithm  
Module

62

Figure 8

Electro-  
Mechanical  
Actuator

70

Figure 9

Acoustic  
Actuator

80

Figure 10

FIG. 11

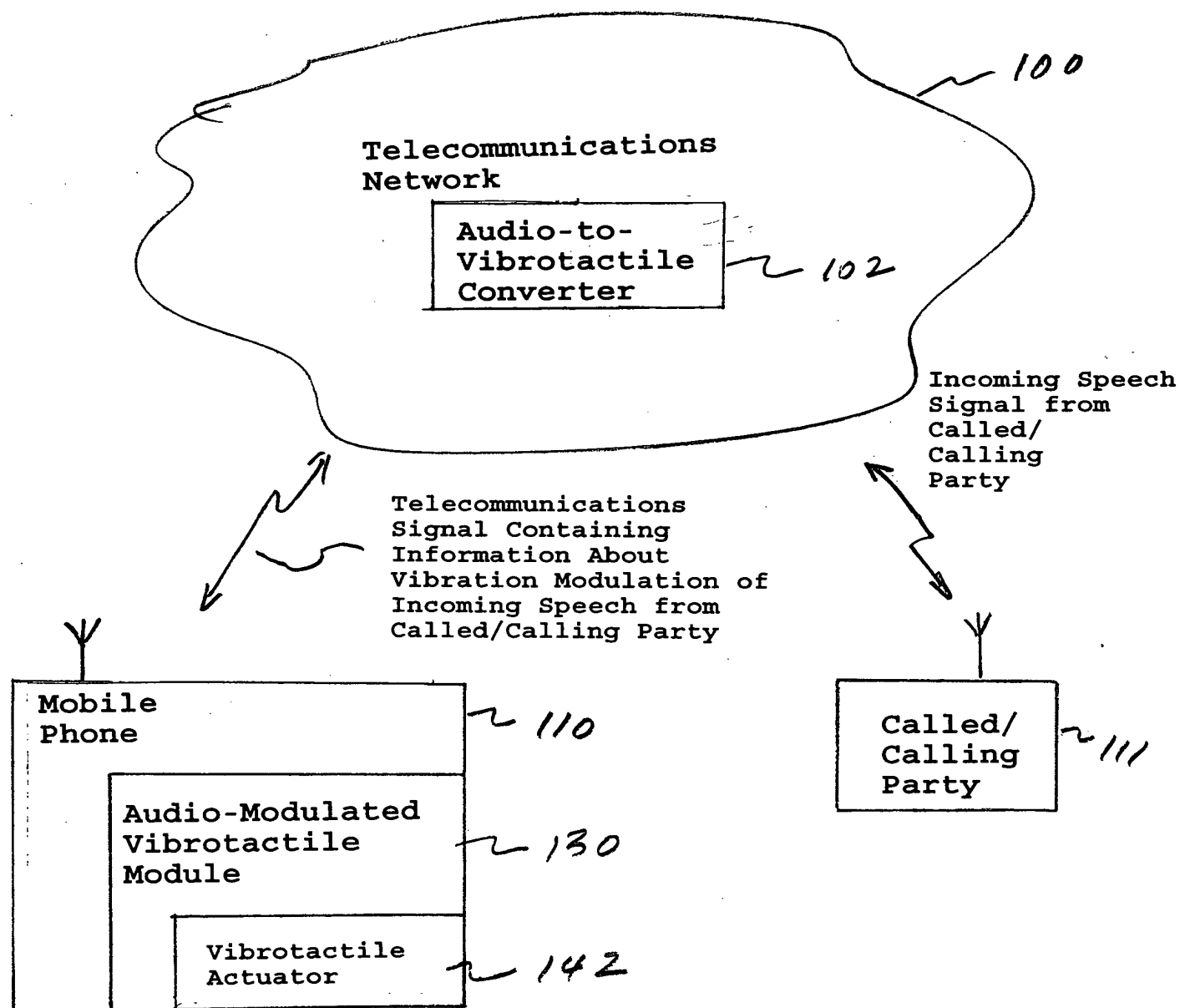


Figure 11

Figure 12

